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It is to be issued in weekly numbers at an annual cost of twenty-eight marks, and is to concern itself with the phenomena of vegetable and animal parasitism in the widest sense. Dr. Oscar Uhlworm, Cassel, is the editor, Professor Leuckart and Dr. Loeffler being associated with him. Professor R. Ramsay Wright, Toronto, has undertaken to furnish a report to the new journal of papers published on this continent referring to animal parasites, and will be obliged to authors for extras of such papers.

— At the last meeting of the Regents of the Smithsonian Institution a number of changes were introduced into its organization. Professor Samuel Langley, of Alleghany, Pa., was elected assistant secretary, and Mr. G. Brown Goode was made second assistant secretary. These appointments open up a long future of prosperity to the institution, other things being equal.

— It is not generally known that it is to the late General John A. Logan that the United States owes its Geological Survey. He introduced and had passed the first bill for this object, and Dr. F. V. Hayden was sent, under its provisions, to Nebraska, the field of its first operations.

PROCEEDINGS OF SCIENTIFIC SOCIETIES.

Indiana Academy of Science.—The second annual meeting of the Indiana Academy of Science was held in the court-house at Indianapolis, December 29 and 30, 1886. The sessions were presided over by the president, Professor D. S. Jordan. Twenty-five new members were elected after their applications had passed through the hands of the nominating committee. The Academy was called to order at ten o'clock A.M., December 29, and opened with prayer by Rev. A. R. Benton. J. C. Branner, S. Coulter, and P. S. Baker were appointed a committee to nominate officers for the next year. J. P. D. John, J. M. Coulter, and O. P. Hay were appointed a committee to consider applications for membership. Following the business of the morning the papers here enumerated were taken up. "Origin of the Indiana Flora," by J. M. Coulter; "The Mildews of Indiana," by J. N. Rose; "The Chlorophyll Bands of Spirogyra," by S. Coulter; "Outline of a Course in Science Study based on Evolution," by Lillie J. Martin; "The Moss Leaf," by C. R. Barnes; "Additions to the Flora of Jefferson County, Ind.," by George C. Hubbard; "Our Blind Mice," by E. R. Quick; "Notes on the House-Building Habits of the Muskrat," by Amos W. Butler; "A Curious Habit of the Red-headed Woodpecker," by O. P. Hay; "Notes on Indiana Ornithology," by A. W. Butler; "The Work of the A. O. U. Committee on Bird Migration," by B. W. Ever-

mann; "The Higher Classification of the Amphibia," by O. P. Hay; "Some Reptiles and Amphibians that appear to be Rare in Indiana," by O. P. Hay; "Some Reptiles and Amphibians that are to be looked for in Indiana," by O. P. Hay; "Notes on the Winter Habits of *Amblystoma tigrinum* and *A. microstoma*," by O. P. Hay. The following papers were on the programme for the afternoon: "Notes on Birds observed in Carroll County, Ind.," by B. W. Evermann; "Review of *Diplodus* and *Lagodon*," by C. H. Eigenmann and Elizabeth G. Hughes; "Review of the American *Chætodontidæ*," by C. H. Eigenmann and Jennie Horning; "The Fishes of the Wabash and some of its Tributaries," by O. P. Jenkins; "The Relation of Latitude to the Number of Vertebrae in Fishes," by D. S. Jordan; "Elagatis pinnulatis at the East End of Long Island Sound," by S. E. Meek; "Ospradium in *Crepidula*," by H. L. Osborn; "Notes on the *Acrididæ* of Bloomington, Ind., with Descriptions of Four New Species," by C. H. Bollman; "A Remarkable Case of Longevity in the Longicorn Beetle, *Eburia quadrigeminata* Say," by Jerome McNeill; "Some Biological Studies of *Lixus macer* Say, and *L. concavus* L.," by F. M. Webster; "Descriptions of Four New Species of Myriapods from the United States," by Jerome McNeil; "New North American Myriapods, chiefly from Bloomington, Ind.," by C. H. Bollman; "The Teaching of Entomology in the High Schools," by Jerome McNeill; "The Geodetic Survey in Indiana," by J. L. Campbell; "Recent Progress in Seismology," by T. C. Mendenhall; "An Indiana Earthquake," by J. C. Branner. At night President Jordan delivered his address on "The Dispersion of Fresh-Water Fishes."

Thursday the following papers were presented: "On the Oxidation of Para-xylene Sulphamide by Potassium Ferricyanide," by W. A. Noyes and Charles Walker; "The Scientific Study of Psychic Phenomena," by H. W. Wiley; "Causes of the Variation of Sucrose in Sorghum," by H. W. Wiley; "Preliminary Location of a Parting in the Subcarboniferous in Monroe County, Ind.," by J. H. Means and J. C. Branner; "The Limit of the Drift in Kentucky and Indiana," by J. C. Branner; "The Deep Well at Bloomington, Ind.," by J. C. Branner; "Town Geology—What it is and What it Might be," by V. C. Alderson; "On the *Thysanura*," by R. F. Hight; "Natural Gas and Petroleum," by A. J. Phinney; "The Geology of Vigo County, Ind.," by J. T. Scovell; "The Niagara River," by J. T. Scovell; "The Zone of Minor Planets," by Daniel Kirkwood; "The Bearing of the Lebanon Beds on Evolution," by D. W. Dennis; "The Surface Geology of the Wabash-Erie Divide," by C. R. Dyer; "*Zoantharia rugosa*," by A. J. Phinney; "The Physical Geography of Decatur County, Ind., during the Niagara Period," by W. P. Shannon; "The Estimation of the Carbonic Acid in the Air," by T. C. Van Nuys and B. F. Adams; "The New Alkaloid, Co-

caine," by P. S. Baker; "The Nation—the Subject Matter of Political Science," by A. B. Woodford; "The Manner of the Deposit of the Glacial Drift, and the Formation of Lakes," by O. P. Hay.

The following officers were elected for the next year: President, John M. Coulter; Vice-Presidents, J. P. D. John, J. C. Branner, T. C. Mendenhall; Secretary, Amos W. Butler; Treasurer, O. P. Jenkins.

The Academy will hold its spring meeting May 19 and 20, at a place to be selected by the Executive Board. C. R. Barnes and B. W. Evermann were selected to arrange the programmes for the meetings of 1887.

Boston Society of Natural History, 1886.—December 1.—Mr. S. R. Bartlett reviewed Ranvier's anatomical studies of some Mammalian Salivary Glands, and Professor W. T. Sedgwick spoke of the Contractile Vacuoles of Paramœcium, etc. Mr. W. L. Harris exhibited some rare (living) Amblystomas, and an aberrant form of the Newt.

December 15.—Dr. Edward G. Gardiner reviewed recent researches on a Third (rudimentary) Eye in Lizards, and Professor W. M. Davis discussed the Mechanical Origin of the Triassic Monoclinal in the Connecticut Valley. The Section of Entomology met on Wednesday evening, December 22.

New York Academy of Sciences.—Monday evening, December 6, 1886.—Mr. Seth E. Meek presented a paper entitled "The Fishes of Cayuga Lake."

December 13.—A series of a hundred lantern views, illustrative of the paper lately read before the Academy upon the subject of Earthquakes, were exhibited by Dr. J. S. Newberry.

Biological Society of Washington.—Saturday evening, October 16, 1886.—The following communications were read: Mr. F. H. Knowlton, "Fascination in *Ranunculus* and *Rudbeckia*;" Mr. J. B. Smith, "A Novel Form of Insect Invasion;" Mr. F. W. True, "A Revision of the Genus *Lagenorhynchus*."

November 27.—The following communications were made: Mr. William H. Seaman, "Notes on *Marsilia quadrifolia* (illustrated)." Mr. P. L. Jouy, "Observations made during a Journey through Corea." Mr. Lester F. Ward, "Autumnal Hues of the Columbian Flora." Dr. C. Hart Merriam, "Contributions to North American Mammalogy. Description of a New Species of Bat."

December 11.—The following communications were made: Dr. Theobald Smith, "Parasitic Bacteria and their Relation to Saprophytes." Mr. F. A. Lucas, "On the Osteology of the Spotted Tinamou, *Nothura maculosa*." Mr. C. D. Walcott, "Tracks found on Strata of Upper Cambrian (Potsdam) Age." Dr. Frank

Baker, "The Foramen of Magendie." Dr. C. Hart Merriam, "Contributions to North American Mammalogy. Description of a New Sub-species of Pocket-Gopher."

Appalachian Mountain Club.—Special meeting, Thursday evening, December 16, 1886.—A semi-social meeting was held from 7.30 to 10.30. Photographs were on the tables for examination. During the evening a paper entitled "A Trip to Norway and the North Cape" was presented by Miss Marion Talbot. Lantern views of Norwegian scenery were shown. Rev. John Worcester showed lantern views of scenery on the Presidential Range, north of Washington.